

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 04-210928

(43)Date of publication of application : 03.08.1992

(51)Int.Cl.

A61K 47/34
A61F 13/00
A61K 9/00
A61K 37/02
A61K 37/24
A61K 37/42
A61K 37/43
A61K 37/54
A61K 37/66
A61K 39/00
A61K 39/395
A61L 15/16
C08G 63/08
C08G 81/00

(21)Application number : 03-036099

(71)Applicant : IMPERIAL CHEM IND PLC <ICI>

(22)Date of filing : 01.03.1991

(72)Inventor : CHURCHILL JEFFREY R
HUTCHINSON FRANCIS G

(30)Priority

Priority number : 82 8211704 Priority date : 22.04.1982 Priority country : GB

(54) PHARMACEUTICAL OR VETERINARY COMPOSITION CONTAINING COPOLYMER

(57)Abstract:

PURPOSE: To obtain a pharmaceutical or veterinary continuous release composition containing a copolymer.

CONSTITUTION: This pharmaceutical or veterinary composition comprises a pharmacologically useful polypeptide and a pharmaceutically or veterinarily acceptable amphipathic, non-crosslinked, linear, branched or grafted block copolymer. The copolymer has 5000 minimum average molecular weight and is a linear block copolymer of the formula $A_m(BA)_n$ or $B_m(AB)_n$, or a grafted or branched block copolymer of the formula AB_n or BA_n . The hydrophobic polymer A is selected from polyglycolic acid, polyglycolide and a copolymer derived from two or more kinds of the monomers from which the above polymers are derived, and the hydrophilic polymer B is selected from polyvinyl alcohol, polyvinylpyrrolidone, and polyethylene oxide or polyethylene glycol and a copolymer thereof.